

WHAT IS CLAIMED IS:

1. A motor-driven type power steering apparatus comprising:
a drive gear connected to an output shaft of a motor;
a driven gear in mesh with the drive gear, which is
5 connected to a steering unit;
a bearing for supporting one end of the drive gear;
a support portion in which the bearing is disposed; and
a curved leaf spring which has a length larger than a
peripheral length of the bearing and fitted between the bearing
10 and the support portion in a resiliently deformed state, wherein
the curved leaf spring urges the bearing so that a distance
between an axis of the driven gear and an axis of the drive gear
decreases.
- 15 2. The apparatus according to claim 1, wherein the support
portion includes a recess into which opposite ends of the curved
leaf spring are inserted, and which is located distant from
the axis of the driven gear with respect to the axis of the drive
gear.
- 20 3. The apparatus according to claim 2, wherein the curved
leaf spring includes an abutment portion formed adjacent to the
end thereof and a bent portion projected outwardly from the
abutment portion, the abutment portion abutting against an
25 outer peripheral surface of the bearing and the bent portion

being inserted into the recess of the support portion.

4. The apparatus according to claim 1, wherein the support portion has a hole in which the bearing is disposed and which
5 has a substantially oval shape such that a radius between a center of the drive gear and a first side region of the hole which is located distant from the axis of the driven gear with respect to the center is larger than a radius between the center and a second side region which is located close to the axis of
10 the driven gear with respect to the center.

5. The apparatus according to claim 1, wherein the end of the drive gear supported by the bearing is distant from the motor with respect to the other end.

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6. The apparatus according to claim 1 further comprising a pressing member for pressing the drive gear in a direction away from the motor,

wherein the curved leaf spring includes a spring piece
20 portion for pressing the bearing toward the motor.